

UNIT 7**Right Triangles & Trigonometry**

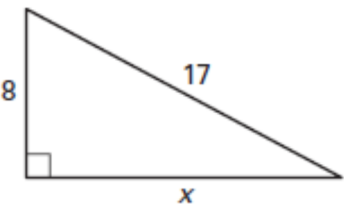
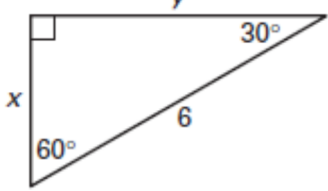
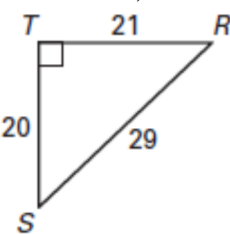
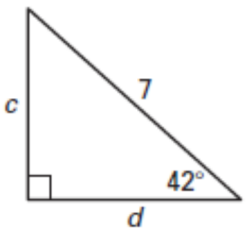
SECTION	DATE	TARGET	TITLE	HOMEWORK
7.1-7.2	1/22	7A	Pythagorean Theorem and its converse	Unit 6 Worksheet 1
7.4	1/23	7B	45-45-90 triangles	Unit 6 Worksheet 2
7.4	1/24	7B	30-60-90 triangles	Unit 6 Worksheet 3
7.4	1/27	7B	Mixed review	Unit 6 Worksheet 4
7.1-7.4	1/28	7A & 7B	Review	Unit 6 Worksheet 5
7.1-7.4	1/29	7A & 7B	Quiz 7.1-7.4	None
7.5-7.6	1/30	7C	Trig Ratios (SOA CAH TOA)	Unit 6 Worksheet 6
7.5/7.7	1/31	7D	Finding Missing Sides	Unit 6 Worksheet 7
7.5/7.7	2/3	7E	Finding Missing Angles	Unit 6 Worksheet 8
7.5/7.7	2/4	7D & 7E	Mixed Trig Review	Unit 6 Worksheet 9
7.5/7.7	2/5	7D & 7E	Word Problems with Trig	Unit 6 Worksheet 10
7.1-7.7	2/6	7A-7G	Review	1 st half of Review Packet
7.1-7.7	2/7	7A-7G	Review	2 nd half of Review Packet
7.1-7.7	2/10	7A-7G	Review	Stations Day
TEST	2/11	7A-7G	Unit 7 Test	NONE!!!!

Remember all late work is due by the **last day** of the chapter! This schedule is tentative and subject to change. Check announcements on the website if there are changes.



- 1) I've never seen this topic before and wouldn't even know how to begin.
- 2) I've heard or seen this before, but don't know how to start or complete the problem
- 3) I know the topic and can work through the problem but am unsure whether I am correct.
- 4) I feel comfortable that I could present my work and solution to the class.
- 5) I feel that I could correctly teach this topic to another student if asked.

By the end of this unit, you should be able to:

	Section	Target	Examples	1	2	3	4	5
A	7.1	Find the missing side of a right triangle using Pythagorean Theorem	Find the value of x 					
B	7.4	Use special right triangles (45° - 45° - 90° and 30° - 60° - 90°) to find the missing side lengths.	Find the value of x and y 					
C	7.5 & 7.6	Find the sine, cosine and tangent ratios of right triangles	Find $\sin A$, $\cos A$ and $\tan A$. 					
D	7.5-7.7	Use sine, cosine and tangent ratios to find the missing side of a right triangle	Solve for the missing sides using trig. 					
E	7.7	Use inverse sine, inverse cosine and inverse tangent to find the missing angle of a right triangle	Find the $m\angle C$ 